

THORN
LIGHTING



R2L2 XS

Smaller size, excellent performance



R2L2 XS

Sleek in design, R2L2 XS assures comfort and security for users.

COMPREHENSIVE RANGE TO FIT ALL ROAD AND STREET ENVIRONMENTS

R2L2 XS is the smallest of a family of three sizes with an extensive choice of lumen outputs and light distributions, making it suitable for all kinds of road lighting applications.

GREAT OPTICAL DESIGN

Efficient (up to 152 lm/W) R-PEC® optics offering precision light distributions, achieving wide column spacing, excellent uniformity with no waste or obtrusive light.

FULL FLEXIBILITY

R2L2 XS benefits from a universal and integrated spigot offering full flexibility through top and side entry, as well as tilt adjustment and tool-less top opening. Automatic disconnect ensures easy and safe access, with a great choice of controls to minimise power consumption and maximise the benefits of smart lighting.

APPLICATIONS



MINOR ROADS



RESIDENTIAL AREAS



WALKING PATHS/
ROUNDBABOUTS



COASTAL ENVIRONMENT

MOUNTING OPTIONS



SIDE



TOP



TILT ADJUSTMENTS

A COMPLETE ROAD LANTERN FAMILY

TO OFFER EXCELLENT LIGHTING PERFORMANCE AND COVER ALL ROAD AND STREET APPLICATIONS.



R2L2 M
from 9500 lm to 33 800 lm



R2L2 S
from 2000 lm to 14 500 lm



R2L2 XS
from 1900 lm to 13 000 lm



CONTRACTOR FRIENDLY

01

Easy maintenance thanks to opening and gear tray removal without tools.

02

Safe maintenance and installation thanks to automatic disconnection and spacing lever.

03

Universal and integrated spigot offering flexibility through top and side entry as well as tilt adjustment.

TECHNICAL DATA

CONTROLS

- BPS – Dimming profile with Bi power option, DALI, Photocell
- ALO – adjustable lumen output
- CLO – constant lumen output
- LRT – line switch via pilot line
- RF – radio frequency InCity, Zagha and Nema (3 and 7 Pins) sockets

MATERIALS AND FINISH

- Housing, canopies, spigot: full die-cast aluminium powder coated resistant to environment
- Texturised light grey (close to RAL9006) powder-coated or texturised anthracite grey (close to RAL7043)
- Other paintings on request
- Glass: 5 mm thick to reach IK09
- Stainless steel fixings

INSTALLATION & MOUNTING

- Post-top mounting: Ø 60–76 mm
- Adjustable tilt angle top: 0° to +10° (5° steps)
- Post-top mounting: Ø 34–60 mm
- Adjustable tilt angle side: -15° to 0° (5° steps)

ACCESSORIES

- Front, back and side louvres
- Extra protection for low installation where IK10 is required



UP TO
152 LM/W



UP TO 100 000
HOURS L90/B10
@ TA 25°C



3000 K
4000 K



70, 80



FROM
14 TO 95 W



-25°C
25°C
35°C*
50°C*



IK09
(IK10 WITH
ACCESSORY)



IP66



UP TO 10 KV
SINGLE PULSE
AS STANDARD



FROM 9000 LM
TO 13 000 LM

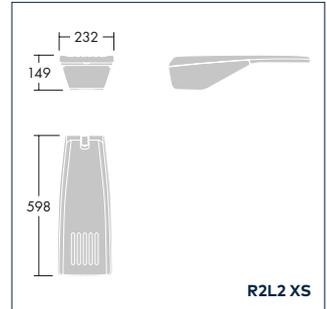


ALL THORN
R-PEC® OPTICS

*ambient temperature options depending on lumen output

CONFIGURATION GUIDE

RX	12L	70	740	NR	CLO	BPS550	HFX	SP	CL2	N7	RF	MLE	D6	ANT
Range	LED	mA	CCT/CRI	Optic	CLO	Diming	DALI	Fuse	Safety	Photocell	Comm	Spigot	Wiring	Colour
														Light Grey 150 Sanded; White mask Anthracite 900 Sanded; White mask Black Sanded; White mask R9006 RAL 9006; White mask R9016 RAL 9016; White mask R9005 RAL 9005; White mask R9007 RAL 9007; White mask R7035 RAL 7035; White mask R7016 RAL 7016; White mask R3004 RAL 3004; White mask R7015 RAL 7015; White mask R6005 RAL 6005; White mask R9010 RAL 9010; White mask R7043 RAL 7043; White mask R7044 RAL 7044; White mask Optional D6 Pre-wired, 6 m length D8 Pre-wired, 8 m length D10 Pre-wired, 10 m length W6 Pre-wired, 6 m length W8 Pre-wired, 8 m length W10 Pre-wired, 10 m length MLE Spigot lateral MTP Spigot post top Optional RF InCity Optional N3 3 pin NEMA socket N7 7 pin NEMA socket Z4 Zagher socket PM Minicell CL1 Class I electrical (earthed) CL2 Class II electrical (double insulated) Optional SP Surge protection device multipulse 10 kV Optional HFX DALI Dimmable Optional BPL Bi Power Power Line LRT Light Reduction Twin Phases BPS Bi-Power switchable 8h 50% reduction around midnight BPS550 Bi-Power switchable 5h 50% reduction around midnight BPS750 Bi-Power switchable 7h 50% reduction around midnight BPS530 Bi-Power switchable 5h 30% reduction around midnight BPS730 Bi-Power switchable 7h 30% reduction around midnight BP550 Bi-Power 5h 50% reduction around midnight BP Bi-Power 8h 50% reduction around midnight BP750 Bi-Power 7h 50% reduction around midnight BP530 Bi-Power 5h 30% reduction around midnight BP730 Bi-Power 7h 30% reduction around midnight Optional CLO Constant Light Output MR Medium road NR Narrow Road EWR Extra wide Road SR Staggered Road WR Wide Road RC Highway RWT Wet condition WS Wide Street WSC Wide Street Comfort EWS Extra Wide Street TR Tight road EWC Extra Wide Street Comfort ES Extensive road IVS Pedestrian crossing SC Street Comfort ENR Extra narrow road 730 CRI 70 3000 K 740 CRI 70 4000 K 830 CRI 80 3000 K 840 CRI 80 4000 K ALO Adjustable lumen output 35 to 105 350 mA to 1050 mA 12L to 36L From 12 LEDs to 36 LEDs
RX	R2L2 XS													



Configure the ideal product solution with myProduct. The myProduct configurator allows you to easily configure a luminaire according to your needs. Try it now at www.thornlighting.com/myproduct



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**WE
MAKE
LIGHT
WORK**